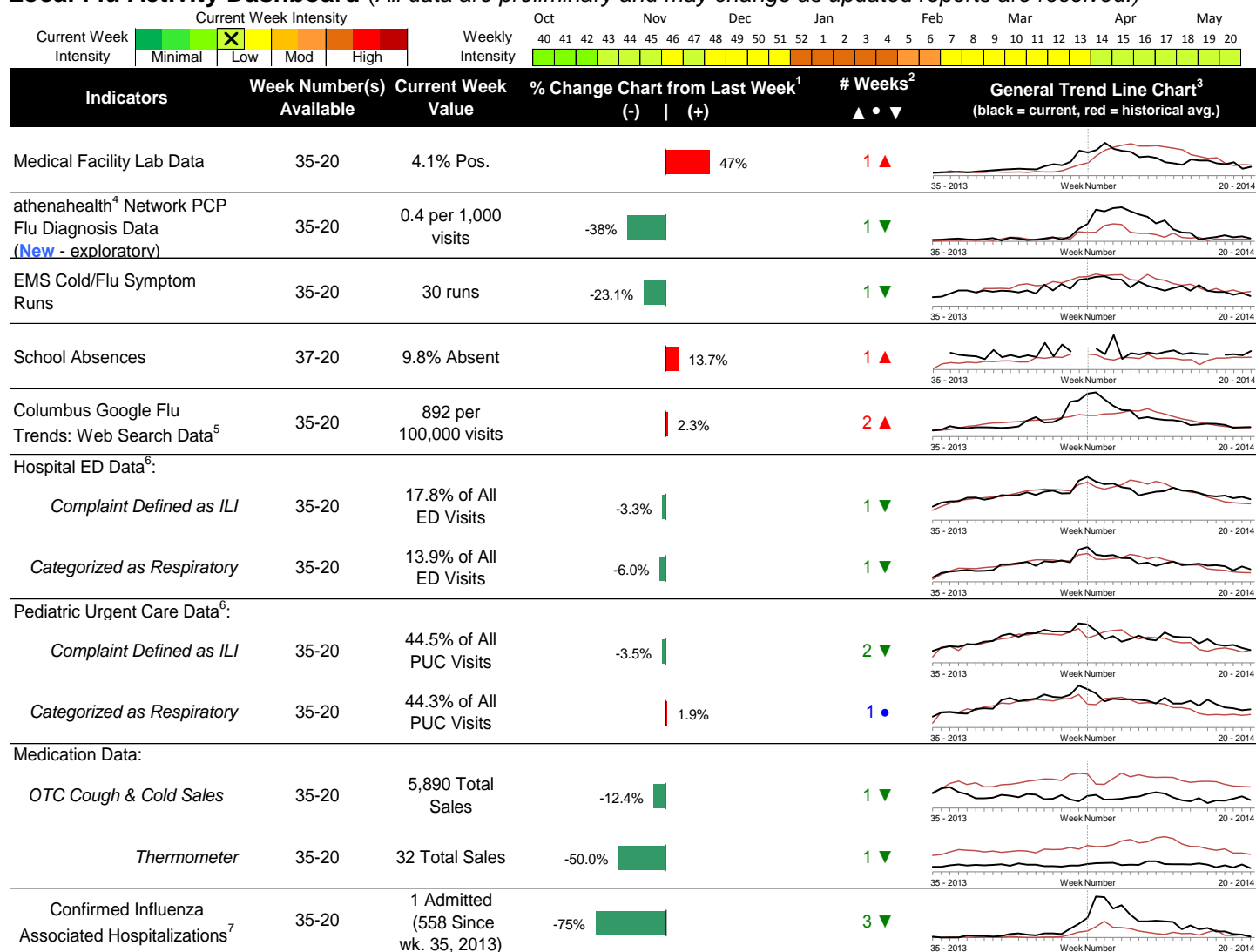


2013-2014 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 20, May 11th, 2014 – May. 17th, 2014)

Highlights

- The majority of local influenza activity indicator trends decreased compared to last week. This is the last weekly local influenza summary for the 2013-14 season. We will resume local seasonal flu surveillance summaries in early October. A big "Thanks you!" to all the public health partners who reported flu related data and helped local flu surveillance possible.
- Geographic activity and local intensity designation (Click [here](#) for definitions) = SPORADIC, LOW
- Local medical facility labs reported 343 tests run with 14 (4.1%) positive results for week 20 of 2014.
- All of the local over-the-counter medications being tracked decreased compared to last week.
- In week 20, influenza activity continued to decrease in the United States. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



Reportable Conditions (Cumulative Numbers as of May 21, 2014, 10:00 AM)	2009	2010	2011	2012	2013	2014 YTD
Pediatric Influenza Associated Death Reported by Year (based on date of death)	2	0	0	0	0	0
Influenza Associated Hospitalizations (IAH) Reported by Admission Year ⁷	523	35	268	394	307	468
IAH comparison by Season (October - May) up through current season's admission date week (week 35 - week 20) ⁷	Season #	2009-10 458	2010-11 286	2011-12 95	2012-13 508	2013-14 558

¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "•" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: athenahealth, Inc. and their analytics and research team athenaResearch (www.athenahealth.com/blog/category/analytics-research). Rate of influenza diagnosis visits to Franklin County, OH, athenahealth network's primary care practices/physicians using claims data.

⁵Data Source: Google Flu Trends (www.google.org/flutrends), City = Columbus, OH. See website for additional details.

⁶Franklin County, OH residents only (based on zipcode).

⁷Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 20 of 2014, 7.4% of all local deaths were attributed to pneumonia and influenza (Figure 1). Nationally, 5.8% of deaths reported were attributed to pneumonia and influenza in week 20. This national percentage is below the national threshold of 6.8% for week 20.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

New for the season, we are reporting influenza diagnosis rate from local athenahealth, Inc. network primary care practice physicians claims data (provided by athenahealth, Inc. and their analytics and research team, athenaResearch). In week 20, the preliminary local influenza diagnosis rate (0.4 per 1,000 visits) was lower than the previous week and is similar to the baseline average for the week (Figure 1). For more information on athenahealth, Inc. and the influenza monitoring being done by athenaResearch, please visit their website at www.athenahealth.com/blog/category/analytics-research. The week 20 percentage of Emergency Department (ED) visits for ILI symptoms decreased slightly compared to the previous week (Figure 3) and is higher than the historic baseline for this week. Pediatric urgent care visits for ILI symptoms also decreased compared to the previous week and is similar to the historic baseline for the week.

Nationally, during week 20 of 2014, 1.1% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). The percentage is below the national baseline of 2.0%.

Laboratory Surveillance

During week 20 of 2014, reporting Franklin County sentinel medical facility laboratories tested 343 specimens, with 14 (4.1%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2013 through week 20 of 2014 is 27,235 with 2,516 (9.2%) positives (2,062 type A, 454 type B). Nationally in week 20 of 2014, WHO and NREVSS laboratories reported 3,885 specimens tested for influenza viruses, 339 (8.7%) of which were positive ([visit the CDC website for more info](#)). The last 3 weeks national breakdown by type and subtype from CDC is shown in Table 1 below:

Table 1: U.S. Virologic Surveillance (WHO and NREVSS participating labs)

Week	A Total	A (H1)	A 2009 H1N1	A (H3)	A (H3N2v)	A (unable to sub-type)	A (Subtyping not performed)	B Total	Total # Tested	% Positive
18	276 (41.2%)	0 (0%)	13 (4.7%)	140 (50.7%)	0 (0%)	0 (0%)	123 (44.6%)	394 (58.8%)	5265	12.73
19	204 (42.5%)	0 (0%)	7 (3.4%)	106 (52%)	0 (0%)	0 (0%)	91 (44.6%)	276 (57.5%)	4720	10.17
20	139 (41%)	0 (0%)	0 (0%)	50 (36%)	0 (0%)	0 (0%)	89 (64%)	200 (59%)	3885	8.73

ED and Pediatric Urgent Care Respiratory Visits

In the 20th week of 2014, the percentage of ED visits categorized as *respiratory* decreased compared to the percentage seen the previous week. The percentage of Pediatric Urgent Care visits categorized as *respiratory* was stable compared to the percentage seen the previous week (Figure 5). The percentage of respiratory symptom visits for both ED and Pediatric Urgent Care centers are higher than their baseline averages for the week.

Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions

In week 20 of 2014, all of the local over-the-counter medications being tracked decreased compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>

CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

CDC International Flu Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

Columbus & Franklin County Influenza Monitoring Summary – Week 20, 2014 (5/11/2014-5/17/2014)

Figure 1: athenahealth Network Primary Care Physician Influenza Diagnosis Rate, Franklin County, OH

Source: Claims data from athenahealth, Inc. and their analytics and research team, athenaResearch (www.athenahealth.com/blog/category/analytics-research)

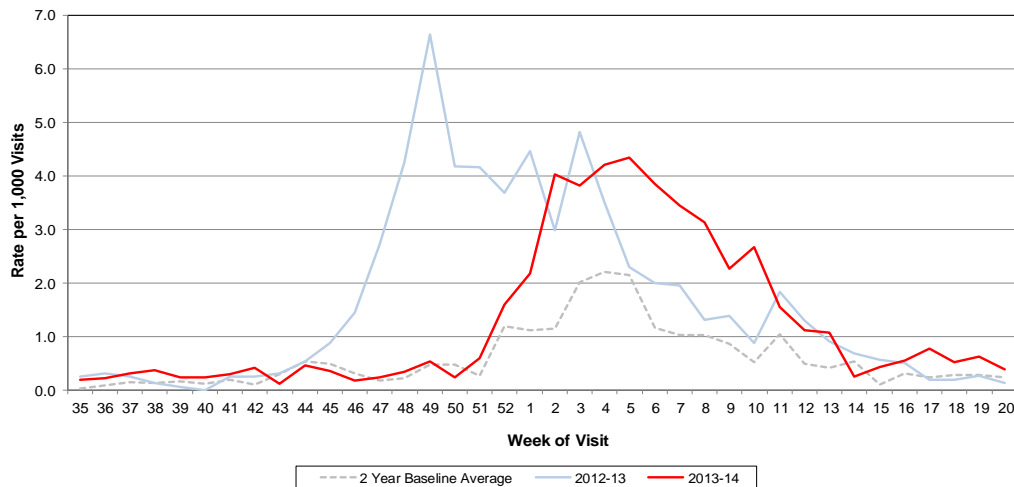


Figure 2: Percentage of Local and National ILI Outpatient Sentinel Health Care Provider Site visits, 2013-14

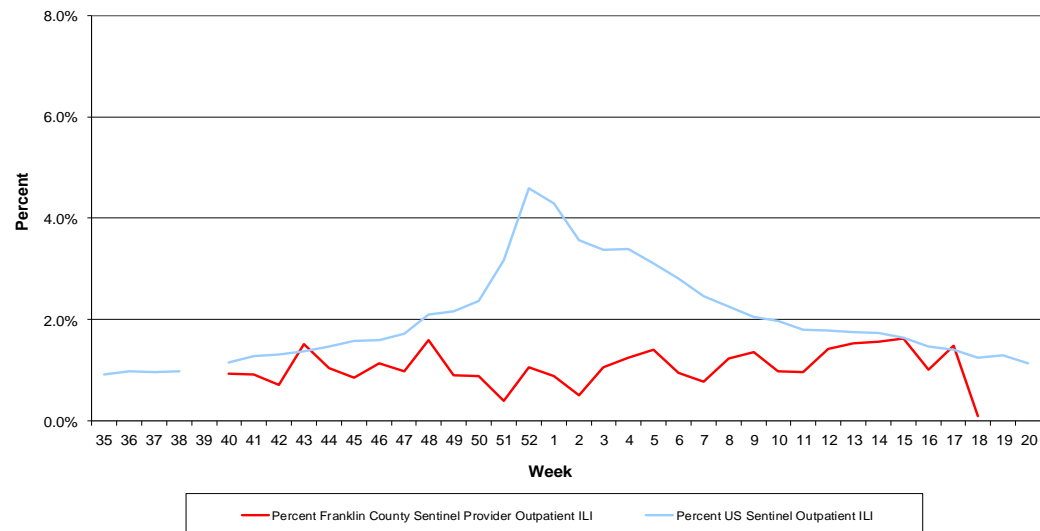


Figure 3: Franklin County Resident ILI Defined* ED and Pediatric Urgent Care Visits, 2013-14, Franklin County, OH

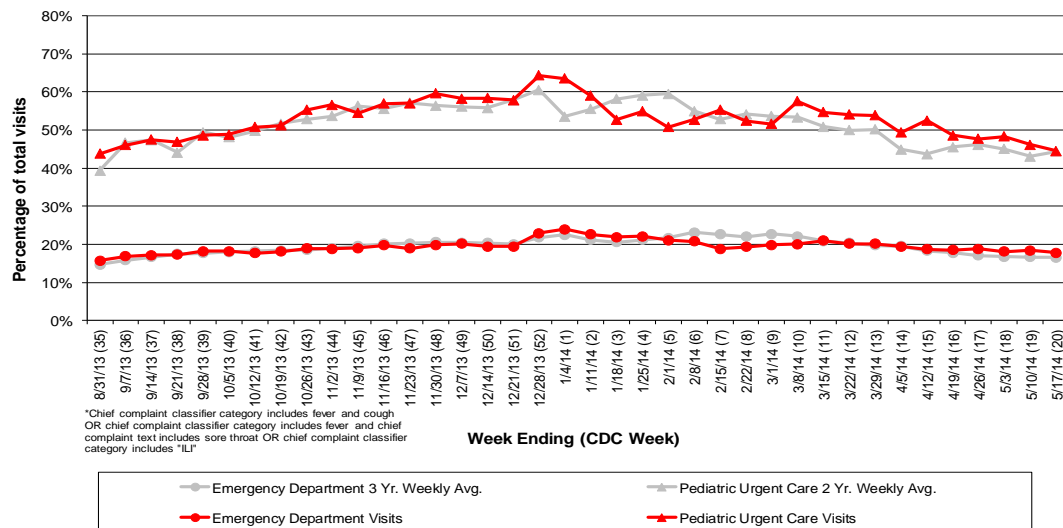
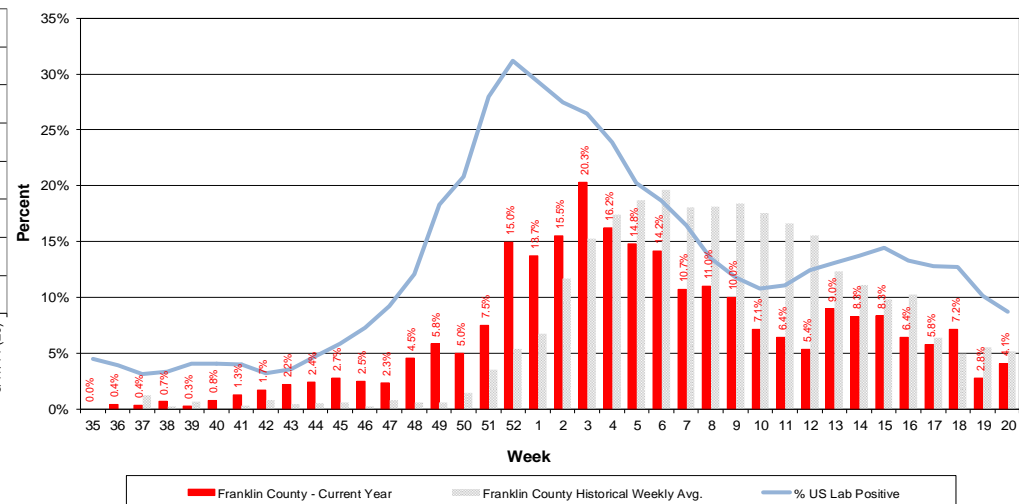


Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2013-14



Columbus & Franklin County Influenza Monitoring Summary – Week 20, 2014 (5/11/2014-5/17/2014)

Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2013-14, Franklin County, OH

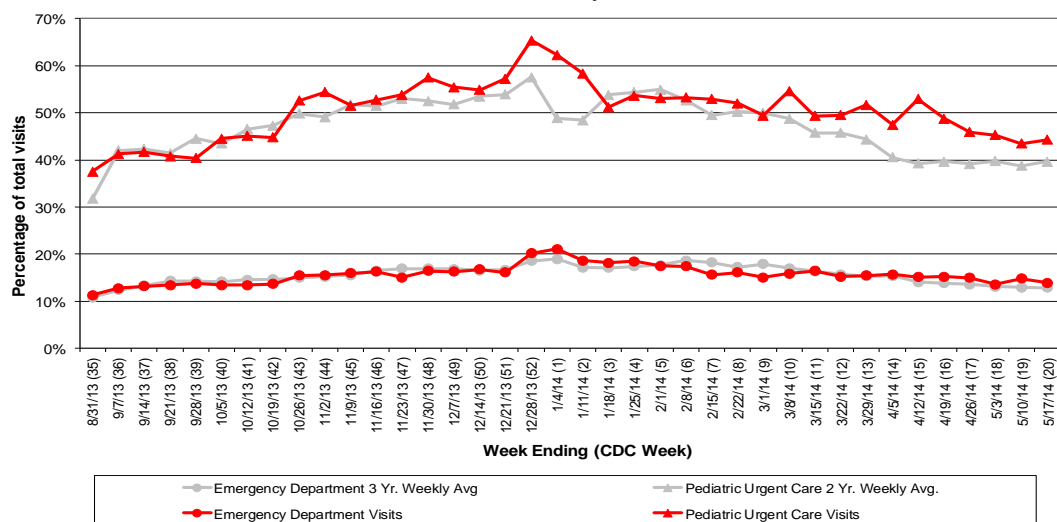


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2013-14, Franklin County, OH

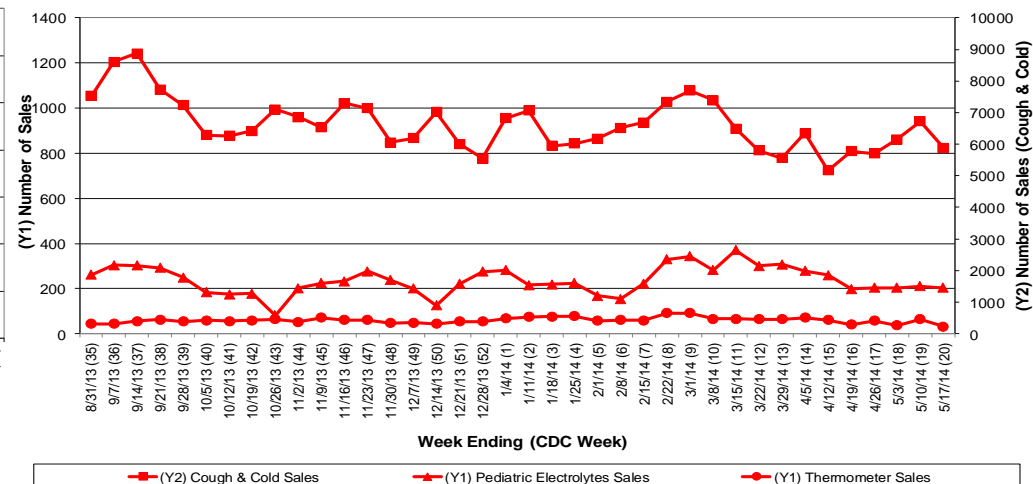
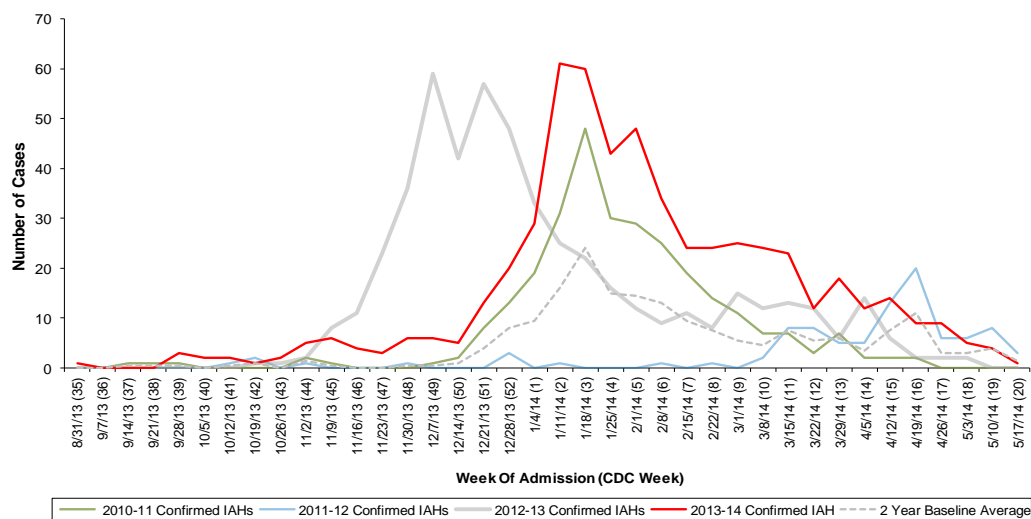


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 10:00 AM, 5/21/2014)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2013-2014 Season

